

Prof. Michele Paternoster

Author ID (SCOPUS): 6603237624

<http://orcid.org/0000-0003-0212-0949>

- Born date: Potenza, 5th February, 1973.
- MSc degree in Geology, at the University of Basilicata, Italy, 22th July, 1999.
- PhD in Geochemistry, at the University of Palermo, Italy, 24th January, 2005.
- Post-doctoral Fellow, at National Institute of Geophysics and Volcanology, Section of Geochemistry, Palermo-Italy, from 1th June, 2005 to 30th September, 2006.
- Associate researcher in Geochemistry, from 2th October, 2006 to present, at the Basilicata University, Department of Sciences, Potenza, Italy.

CURRICULUM VITAE

Teaching activity:

- Environmental and water geochemistry (UniBas - Environmental Prospecting and Monitoring-Master's degree).
- Volcanology (UniBas - Geological Sciences -Bachelor's degree).
- Isotope Geochemistry (UniBas - Geological Sciences- Bachelor's degree).
- Environmental Geochemistry (UniBas – Geosciences and Georesources -Master's degree).
- UniBas Doctoral (PhD) Fellowship Earth Sciences (advisor).

Research project:

- (From 2013- to present). Contract between **Fondazione Eni Enrico Mattei** and Department of Sciences (University of Basilicata); Title of funded project, "*Approccio multidisciplinare dei sedimenti di un bacino artificiale, il caso dell'invaso di Pietra del Pertusillo (Val d'Agri)*". Co leads: Prof. Giacomo Prosser and **Dott. Michele Paternoster**.
- From 2004 to 2007. Fondo sociale Comunità Europea **POP-FERS 1994-1999**. Partecipazione al progetto di ricerca "*Monitoraggio geochimico di acque, rocce suoli e vegetazione nell'area della Fiumara di Atella (PZ)*", finanziato dalla Regione Basilicata –Responsabile scientifico del progetto Prof. Mongelli (2006)
- Research programs of national interest (PRIN 2006 prot. 2006048397_003) entitled " Chemio e minerostratigrafia di sedimenti clastici fini Cenozoici del ramo meridionale della Tetide: paleoalterazione e affinità parentali".
- Research project: "Natural gas emissions in Italy" - subproject RU # 6 (Basilicata Region) ", funded by the National Group for Volcanology - Framework Programme 2004-2006.

Editorial Activity

- Reviewer for Applied Geochemistry (Elsevier)
- Reviewer for Journal of Hydrology (Elsevier)
- Reviewer for Journal of Geochemical Exploration (Elsevier)
- Reviewer for Hydrological Processes (Wiley InterScience)
- Reviewer for Science of the Total Environment (Elsevier)
- Reviewer for Marine and Petroleum Geology (Elsevier)
- Reviewer for Water (MDPI AG)



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Personal specializations:

- Geochemistry of volatile elements (Carbon, Nitrogen, Sulphur, noble gases).
- Fluid geochemistry in volcanic, geothermal and seismic areas.
- Stable isotope geochemistry in catchment hydrology
- Water-rock interactions.
- Environmental geochemistry (water and sediment).

Selected Papers and Publications:

➤ **Papers in peer-reviewed international journals:**

1. Dichicco, MC., Laurita, S., **Paternoster, M.**, Rizzo, G., Sinisi, R., Mongelli, G. (2015).
Serpentinite carbonation for CO₂ sequestration in the southern Apennines: preliminary study. *Energy Procedia* 76 (2015) 477 – 486.
DOI: 10.1016/j.egypro.2015.07.888
DOCUMENT TYPE: Article
SOURCE: Scopus
Impact factor: 0.78
2. Caracausi, A. and **M. Paternoster** (2015).
Radiogenic helium degassing and rock fracturing: A case study of the southern Apennines active tectonic region. *Journal of Geophysical Research: Solid Earth*, 120 (4), PP. 2200-2211.
DOI: 10.1002/2014JB011462
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 3.44
3. Caracausi, A., **Paternoster, M.**, Nuccio, P.M. (2015).
Mantle CO₂ degassing at Mt. Vulture volcano (Italy): Relationship between CO₂ outgassing of volcanoes and the time of their last eruption. *Earth and Planetary Science Letters*, 411, pp. 268-280.
DOI: 10.1016/j.epsl.2014.11.049
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 4.724
4. **Paternoster, M.**, Sinisi, R., Mancusi, C., Pilat, K., Sabia, A., Mongelli, G. (2014).
Natural versus anthropogenic influences on the chemical composition of bulk precipitation in the southern Apennines, Italy: A case study of the town of Potenza. *Journal of Geochemical Exploration*, 145, pp. 242-249.
DOI: 10.1016/j.gexplo.2014.07.003
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.432
5. Mongelli, G., **Paternoster, M.**, Rizzo, G., Sinisi, R. (2014).



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Trace elements and REE fractionation in subsoils developed on sedimentary and volcanic rocks: Case study of the Mt. Vulture area, southern Italy. *International Journal of Earth Sciences*, 103 (4), pp. 1125-1140.

DOI: 10.1007/s00531-014-1003-z

DOCUMENT TYPE: Article

SOURCE: Scopus

IMPACT FACTOR: 2.084

6. Margiotta, S., Mongelli, G., **Paternoster, M.**, Sinisi, R., Summa, V. (2014).
Seasonal groundwater monitoring for trace-elements distribution and Cr (VI) pollution in an area affected by negligible anthropogenic effects. *Fresenius Environmental Bulletin*, 23 (12).
DOCUMENT TYPE: Article
SOURCE:
IMPACT FACTOR: 0.527
7. Mongelli, G., **Paternoster, M.**, Rizzo, G., Sansone, M.T.C., Sinisi, R. (2013).
Trace element geochemistry of the Mt Vulture carbonatites, southern Italy. *International Geology Review*, 55 (12), pp. 1541-1552. Cited 1 time.
DOI: 10.1080/00206814.2013.786310
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.628
8. Mongelli, G., Monni, S., Oggiano, G., **Paternoster, M.**, Sinisi, R. (2013).
Tracing groundwater salinization processes in coastal aquifers: a hydrogeochemical and isotopic approach in the Na-Cl brackish waters of northwestern Sardinia, Italy. *Hydrology and Earth System Sciences*, 17 (7), pp. 2917-2928. Cited 2 times.
DOI: 10.5194/hess-17-2917-2013
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 3.642
9. Caracausi, A., Nicolosi, M., Nuccio, P.M., Favara, R., **Paternoster, M.**, Rosciglione, A. (2013).
Geochemical insight into differences in the physical structures and dynamics of two adjacent maar lakes at Mt. Vulture volcano (southern Italy). *Geochemistry, Geophysics, Geosystems*, 14 (5), pp. 1606-1625. Cited 3 times.
DOI: 10.1002/ggge.20111
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 3.054
10. Caracausi, A., Martelli, M., Nuccio, P.M., **Paternoster, M.**, Stuart, F.M. (2013).
Active degassing of mantle-derived fluid: A geochemical study along the Vulture line, southern Apennines (Italy). *Journal of Volcanology and Geothermal Research*, 253, pp. 65-74. Cited 5 times.
DOI: 10.1016/j.jvolgeores.2012.12.005
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.515



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11. Mongelli, G., **Paternoster, M.**, Sinisi, R. (2013).
Assessing nitrate origin in a volcanic aquifer using a dual isotope approach. *International Journal of Environmental Science and Technology*, 10 (6), pp. 1149-1156.
DOI: 10.1007/s13762-012-0169-9
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 1.794
12. Margiotta, S., Mongelli, G., Summa, V., **Paternoster, M.**, Fiore, S. (2012).
Trace element distribution and Cr(VI) speciation in Ca-HCO₃ and Mg-HCO₃ spring waters from the northern sector of the Pollino massif, southern Italy. *Journal of Geochemical Exploration*, 115, pp. 1-12. Cited 5 times.
DOI: 10.1016/j.gexplo.2012.01.006
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.432
13. Parisi, S., **Paternoster, M.**, Perri, F., Mongelli, G. (2011).
Source and mobility of minor and trace elements in a volcanic aquifer system: Mt. Vulture (southern Italy). *Journal of Geochemical Exploration*, 110 (3), pp. 233-244. Cited 7 times.
DOI: 10.1016/j.gexplo.2011.06.010
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.432
14. Parisi, S., **Paternoster, M.**, Kohfahl, C., Pekdeger, A., Meyer, H., Hubberten, H.W., Spilotro, G., Mongelli, G. (2011).
Groundwater recharge areas of a volcanic aquifer system inferred from hydraulic, hydrogeochemical and stable isotope data: Mount Vulture, southern Italy. *Hydrogeology Journal*, 19 (1), pp. 133-153. Cited 9 times.
DOI: 10.1007/s10040-010-0619-8
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 1.712
15. **Paternoster, M.**, Parisi, S., Caracausi, A., Favara, R., Mongelli, G. (2010).
Groundwaters of Mt. Vulture volcano, southern Italy: Chemistry and sulfur isotope composition of dissolved sulfate. *Geochemical Journal*, 44 (2), pp. 125-135. Cited 9 times.
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 1.942
16. Mongelli, G., Critelli, S., Dinelli, E., **Paternoster, M.**, Perri, F. (2010).
Mn- and Fe-carbonate rich layers in Meso-Cenozoic shales as proxies of environmental conditions: A case study from the southern Apennine, Italy. *Geochemical Journal*, 44 (3), pp. 211-223. Cited 1 time.
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 1.942



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17. Caracausi, A., Nuccio, P.M., Favara, R., Nicolosi, M., **Paternoster, M. (2009)**.
Gas hazard assessment at the Monticchio crater lakes of Mt. Vulture, a volcano in Southern Italy . Terra Nova, 21 (2), pp. 83-87. Cited 12 times.
DOI: 10.1111/j.1365-3121.2008.00858.x
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.321
18. **Paternoster, M.**, Liotta, M., Favara, R. (2008).
Stable isotope ratios in meteoric recharge and groundwater at Mt. Vulture volcano, southern Italy. Journal of Hydrology, 348 (1-2), pp. 87-97. Cited 27 times.
DOI: 10.1016/j.jhydrol.2007.09.038
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.693
19. Rizzo, A., Caracausi, A., Favara, R., Martelli, M., Paonita, A., **Paternoster, M.**, Nuccio, P.M., Rosciglione, A. (2006).
New insights into magma dynamics during last two eruptions of Mount Etna as inferred by geochemical monitoring from 2002 to 2005. Geochemistry, Geophysics, Geosystems, 7 (6), art. no. Q06008. Cited 21 times.
DOI: 10.1029/2005GC001175
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 3.054
20. **Paternoster, M.**, Scarfiglieri, A., Mongelli, G. (2005).
Groundwater chemistry in the high Agri Valley (Southern Apennines, Italy). GeoActa, 4, p. 25-41.
DOCUMENT TYPE: Article
SOURCE: Scopus
21. Harabaglia, P., Mongelli, G., **Paternoster, M. (2002)**.
A geochemical survey of the telese hypothermal spring, southern Italy: Sulfate anomalies induced by crustal deformation . Environmental Geosciences, 9 (3), pp. 89-101. Cited 1 time.
DOI: 10.1046/j.1526-0984.2002.93003.x
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR:
22. Italiano, F., Martelli, M., Martinelli, G., Nuccio, P.M., **Paternoster, M. (2001)**.
Significance of earthquake-related anomalies in fluids of Val D'Agri (Southern Italy). Terra Nova, 13 (4), pp. 249-257. Cited 15 times.
DOI: 10.1046/j.1365-3121.2001.00346.x
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR: 2.321



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23. **Paternoster, M.,** Mongelli, G. (2000).
Hydrogeochemistry of the Telese spring, Southern Apennines, Italy. *Mineralogica et Petrographica Acta*, 43, pp. 167-178. Cited 2 times.
DOCUMENT TYPE: Article
SOURCE: Scopus
IMPACT FACTOR:

➤ **Publications in peer-reviewed national journals**

24. **Paternoster, M.,** Mongelli, G., Frittella, F., Bove, B., Lapadula, D. (2000). Primi dati idrogeochimici di alcune sorgenti in zone sismogenetiche dell' Appennino meridionale. *Acque sotterranee - Italian Journal of Groundwater (AS/IT JGW)*, (ISSN:1828-454X), 61- 68.

➤ **Extended abstract in Volume**

25. Sinisi R., Mongelli G., Paternoster M., Rizzo G., Sansone M.T.C. (2013). The carbonatites of Mt. Vulture as a (re)source of rare earth elements. *Mineral deposit research for a high-tech world. Proceedings of the 12th SGA Biennial Meeting*, 12-15 August 2013, Uppsala (Sweden), ISBN 978-91-7403-207-9, vol. 4, pp. 1742-1745
26. Martelli, M., Nuccio, P.M., Paternoster, M., Stuart, F., Ellam, R. (2008). Helium isotopes in mafic phenocrysts along the Italian volcanism and inferences on the crust-mantle interaction. *Rendiconti Online Società Geologica Italiana*, 3 (2), p. 538-540.
27. Parisi, S., Kohfahl, C., Mongelli, G., Paternoster, M., Spilotro, G. (2008). Multivariate statistical analysis applied to a hydrogeochemical dataset of a complex volcanic aquifer system (Mount Vulture, Basilicata - South Italy). *Rendiconti Online Società Geologica Italiana*, 3 (2), pp. 610-611.
28. Paternoster, M. (2005). Mt. Vulture volcano (Italy): a geochemical contribution to the origin of fluids and to a better definition of its geodynamic setting. *Plinius* (ISSN:1120-317X), vol. 3, pp.186- 190.

➤ **Abstract of Meeting Presentations**

29. Paternoster M., Cantalupo M., Dichicco M.C., Panariello S., Rizzo G., Sinisi R., Mongelli G. (2015). The distribution, behavior and source of arsenic in the volcanic aquifer of the Mt. Vulture (southern Italy). *Mediterranean Forum on Water Resources*, Matera 18 – 22 October 2015.
30. Dichicco, MC., Mongelli, G., **Paternoster, M.**, and Rizzo, G. (2015). Serpentinite Carbonation in the Pollino Massif (southern Italy) for CO₂ Sequestration. *Geophysical Research Abstracts Vol. 17, EGU2015-426*, eISSN 1607-7962, EGU General Assembly 2015.



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31. Sinisi, R., Petrullo, A.V., Agosta, F., **Paternoster, M.**, Belviso C., Grassa, F. (2015). Fault and fluid interaction in the Bradano Trough, southern Italy Geophysical Research Abstracts Vol. 17, EGU2015-426, eISSN 1607-7962, EGU General Assembly 2015.
32. Fortunato, E., Bentivenga, M., **Paternoster, M.**, Prosser, G., Sinisi, R. (2014). Geochemistry of sediments from “Pietra del Pertusillo” lake: preliminary results. 15th World Lake Conference, Perugia, 1-5 Settembre 2014. Lakes: The Mirrors of the Earth. Balancing Ecosystem Integrity and Human Wellbeing. ISBN 9788896504031- 9788896504055.
33. Caracausi, A., Cosenza, P., Favara, R., Foresta Martin, L., Galli, G., Grassa, F., Nuccio, P.M., **Paternoster, M.**, Riccobono, G.. (2014) .Origin and transport of CH₄ in two maar lakes fed by mantle-derived volatiles (Mt. Vulture volcano, Italy). Geophysical Research Abstracts Vol. 16, EGU2014-7248, eISSN 1607-7962, EGU General Assembly 2014.
34. Mongelli G., Monni S., **Paternoster M.**, Oggiano G., Sinisi R. (2013) - Tracing groundwater salinization processes in coastal aquifers: a hydrogeochemical and isotopic approach in Na-Cl brackish waters of north-western Sardinia, Italy. Epitome, Geitalia 2013 – IX Forum di Scienze della Terra. Pisa 16-18 Settembre, pp. 242.
35. Caracausi, A., Martelli, M., Nuccio, P.M., **Paternoster, M.**, Stuart, F. (2013). A helium isotope cross-section study through the Vulture line, southern Apennines. Geophysical Research Abstracts Vol. 15, EGU2013-8597, 2013 eISSN 1607-7962, EGU General Assembly 2013
36. Caracausi, A., Nicolosi, M., Nuccio, P.M., Favara, R., Grassa, F., **Paternoster, M.** , Rosciglione, A. (2011). Water structure and circulation dynamics of two maar lakes (Mt Vulture, Italy): geochemical constraints. 5th international Limnogeology Congress (ILIC V). 31 Agosto -3 Settembre 2011, Kostanz (Germany).
37. Caracausi, A., Favara, R., Nicolosi, M., Nuccio, P.M., **Paternoster, M.**, Rosciglione, A. (2010). Degassing of Monticchio Maar Lakes (Mt. Vulture Volcano, Italy): magmatic origin of the fluids and evidences of gas burst recurrence. 89° Congresso SIMP, 13-15 Settembre 2010, Ferrara (Italia).
38. Parisi, S., **Paternoster, M.**, Mongelli, G. (2009). Heavy metal and trace element distributions in groundwater from Mt. Vulture volcanic area (southern Italy). XII Congresso Brasileiro de Geoquímica VIII International Symposium on Environmental Geochemistry, 18-22 ottobre 2009, Ouro Preto- Brasile.
39. Sdao, F., Parisi, S., Kalisperi, D., Pascale, S., Symantiris, L., Kershaw, S., Mongelli, G., Soupios, P., **Paternoster, M.** (2009). Groundwater high salinity in Geropotamos basin (Crete, Greece): sea water intrusion or Miocene Evaporites water interaction processes? International Conference Goldschmidt, pubblicato su volume speciale di Geochimica Cosmochimica Acta (ISSN:0016-7037), 1189-1189. Vol. 73, issue supplement 13.
40. Parisi, S., **Paternoster, M.**, Mongelli, G. (2009). Groundwater recharge areas of the Mt. Vulture volcanic aquifer by means of hydrogeochemical data and stable isotopic tracer. International Conference Goldschmidt, pubblicato sul volume speciale di Geochimica Cosmochimica Acta (ISSN:0016-7037), A993-A993, vol. 73, issue supplement 15.
41. Parisi, S., **Paternoster, M.**, Mongelli, G., Kohfahl, C. (2009). Multidisciplinary study approach: isotope hydrogeology and hydrogeochemistry of the groundwater from Mt. Vulture aquifer system (Basilicata,



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southern Italy). Congresso Geoitalia 2009, VII forum Italiano di scienze della Terra, vol. 3, 9- 11 Settembre 2009, Rimini.

42. Parisi, S., Mongelli, G., **Paternoster, M. (2008)**. Geochemical groundwaters quality of a volcanic area: Mount Vulture (southern Italy). Geophysical Research Abstracts, Vol. 10, EGU2008-A-07788, SRef-ID: 1607-7962/gra/EGU2008-A-07788 EGU General Assembly 2008.
43. **Paternoster, M.**, Mongelli, G. (2007). Chemical and isotopic (C and S) composition of groundwaters from the Mt.Vulture volcanic system. International Conference Goldschmidt, pubblicato su volume speciale di Geochimica Cosmochimica Acta (ISSN:0016-7037). A765- A765. 71.
44. Favara, R., Liotta, M., **Paternoster M. (2005)**. Geochemistry of dissolved gases at Mt. Vulture volcano (southern Apennines): evidences of a significant release of deep gases. 8th International Conference on Gas Geochemistry (ICGG 8), 02-08 October 2005, Palermo.
45. **Paternoster, M. (2005)**. Helium and strontium isotopes in the lavas from Mt. Vulture volcano: implications for its geodynamic meaning. 8th International Conference on Gas Geochemistry (ICGG 8), 02 - 08 October 2005, Palermo.
46. **Paternoster, M.**, Martelli, M., Stuart, F., Nuccio, P.M. (2004). He-Sr isotope constraints on the mantle beneath the Monte Vulture volcano, southern Italy. International Conference Goldschmidt, pubblicato su volume speciale di Geochimica Cosmochimica Acta (ISSN:0016-7037). 616- 616, vol. 68.
47. Mongelli, G., **Paternoster, M.**, Scarfiglieri, A. (2001). Groundwater composition and hydrochemical evolution in the Agri catchment, Southern Italy. Geoitalia 2001 – III Forum Italiano Scienze della Terra, 5-8 settembre 2001, Chieti.
48. Harabaglia P., Martinelli, G., **Paternoster, M.**, Rosa, A.B. (2001). The 1996 vs 1998 seismic sequences in the southern Apennines, Italy: Two different deformation pattern. XX Convegno Nazionale GNGTS, 6-8 novembre 2001, Roma.
49. Pirretti, F., Faccialongo, M., Dinelli, E., Mongelli, G., **Paternoster, M. (2001)**. Hydrofacies and metal contents in carbonate groundwaters from Southern Apennines, Italy. Geophysical Research Abstracts, vol. 3. Geophysical Research Abstracts (ISSN:1607-7962), Vol. 3, 608- 608, EGU General Assembly 2001.
50. Martelli, M., **Paternoster M.**, Harabaglia P., Italiano, F., Martinelli G., Nuccio P.M (1999). Variazioni di parametri chimico-fisici di fluidi termali in occasione degli eventi del 3/4/1996 e del 9/9/1998. XVIII convegno nazionale GNGTS, vol. 201, 9-11 novembre 1999, Roma.
51. **Paternoster M.**, Martelli, M., Italiano, F., Martinelli, G., Nuccio, Harabaglia P.. (1999). Variazioni geochimiche nei fluidi di sorgenti termali in prossimità dell'epicentro del terremoto del pollino del 9 settembre 1998. Geoitalia 1999, II Forum Italiano Scienze della Terra, vol.22, 20-23 settembre 1999, Bellaria.
52. **Paternoster M.**, Martelli, M., Italiano, F., Martinelli, G., Nuccio, Harabaglia P. (1999). Caratterizzazione geochimica dei fluidi di origine profonda nell'Appennino meridionale. Geoitalia 1999 - II Forum Italiano Scienze della Terra, vol. 22; 20-23 settembre 1999, Bellaria,



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53. Martelli, M., **Paternoster M.**, Italiano, F., Martinelli, G., Nuccio, Harabaglia P. (1999). Variazioni dei parametri geochimici della sorgente di Teleso. *Geoitalia 1999 - II Forum Italiano Scienze della Terra*, vol. 22, 20-23 settembre 1999, Bellaria.
54. Harabaglia, P., Italiano, F., Martinelli, G., Nuccio, P.M., **Paternoster M.** (1998). Primi risultati di uno studio sulle variazioni di parametri chimico-fisici di fluidi di origine profonda in occasione del terremoto del 9 settembre 1998. XVII Convegno Nazionale di Geofisica della Terra Solida (GNGTS), 10-12 novembre 2008, Roma.

➤ **Contribution in a Book:**

55. Carbone, C., Bianco, G., **Paternoster, M.** (2014). Caratterizzazione chimica di campioni di acqua della Basilicata. In: *Le innovazioni tecnologiche nel settore della caratterizzazione e bonifica dei siti contaminati. Panoramica sui più recenti sviluppi della ricerca italiana*. Editore Cacucci, Bari- Italia. ISBN 9788866113645, Vol. 2, 177-186.
56. Mongelli, G., **Paternoster, M.**, Scarfiglieri, A. (2007). La geochimica delle acque. Volume dal titolo "Monitoraggio geochimico di acque, rocce, suoli e vegetazione nell'area della Fiumara di Atella". Regione Basilicata- Dip. Ambiente, Potenza; pp.103- 248.
57. Favara, R., Martelli, M., **Paternoster, M.**, Harabaglia, P. (2003). Caratterizzazione isotopica delle precipitazioni meteoriche e delle sorgenti, finalizzata alla modellizzazione degli acquiferi presenti in Alta Val d'Agri. Volume dal titolo "Le risorse idriche sotterranee della Alta val d'Agri". Autorità Interregionale di Bacino della Basilicata, Potenza, 199- 220.
58. Harabaglia, P., Niccoli, R., Pacifico, G., **Paternoster, M.** (2003). Prospezioni, campionamento e monitoraggio delle sorgenti dell'Alta Val d'Agri e loro integrazioni con dati meteorologici. Volume dal titolo: "Le risorse idriche sotterranee della Alta val d'Agri". Autorità Interregionale di bacino della Basilicata, Potenza, 157- 176.
59. Mongelli, G., Paternoster, M., Fritella, F. (2003). Caratterizzazione geochimica delle acque di sorgente dell'Alta Val d'Agri. Volume dal titolo: "Le risorse idriche sotterranee della Alta val d'Agri". Autorità Interregionale di bacino della Basilicata, Potenza, 177- 198.

TIME AND PLACE OF RECEIPT

Tuesday and Thursday (from 10.30 am to 12.30 am) at the office of professor
University of Basilicata- Campus Macchia Romana-3D building -second floor
I-85100 Potenza, Italy

EMAIL ADDRESS

michele.paternoster@unibas.it

PHONE NUMBER:

+39 971 205832

